Form PTO-14 (MODIFIED)	49	PATERTANDER	OF COMMERCI ADEMARK OFFICE	ATTY. DOCKET NO 017344-		SERIAL NO. 10/026,430		
INFO	RMATIC	ON DISCLOSURE	CITATION	APPLICANT Iw	ao MATSUSHIM	IA. et al.		· · · · · ·
				FILING DATE		GROUP AR		<u>.</u>
	/i isa sa	veral sheets if neces	ssan/)	12/27/2	2001		2632	
	(030 30	Vorar Greeks ir ricock			1			
			U.S. PAI	ENT DOCUMENTS			<u> </u>	
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING IF APPROI	=
					BECF	IVEC		
						0.0000		
				<u> </u>		8 2002	·	
					<u><u><u><u>echnolog</u></u></u></u>	Center 26	00	
	<u> </u>		FOREIGN P	ATENT DOCUMENTS	 S		·	
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANS YES	LATION NO
CK	A1	5-138511	06/01/1993 .	Japan			Abs	tract
	L					1		<u> </u>
		OTHER DOCU	MENTS (Includin	g Author, Title, Date, F	Pertinent Pages,	Etc.)		
						:		
						 		
	<u> </u>							
			-					
								
						· · ·		-
	<u> </u>							
EXAMINER	G.	afillow.		DATE CONSID	4/13,	106		
line	through	Initial if citation citation if not intion to applicant.	n conformance	ether or not citation and not considered.	is in conformation include any c	ance with No	MPEP 60s form w	9; Draw ith next

MODIFIED PTO/SB/08 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

017344-0321

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of Information unless it contains a valid OMB control

Substitute for form 1449B/PTO Complete if Known **Application Number** 10/026,430 INFORMATION DISCLOSURE STATEMENT BY APPLICANT Filing Date 12/27/2001 1 5 2003 Iwao MATSUSHIMA First Named Inventor DEC Date Submitted: December 15, 2003 2632 Group Art Unit Unknown **Examiner Name** (use as many sheets as necessary) A TRADE

Sheet

U.S. PATENT DOCUMENTS										
	U.S. Patent C	Document	Name of Retented of Applicant of	Date of Publication of	Pages, Columns, Lines, Where Relevant					
No.1	Number	Kind Code ² (if known)	Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear					
A1	4,827,423		BEASLEY et al.	05/02/1989						
			· .							
		Cite No. ¹ Number	No. ¹ Number Code ² (if known)	Cite No. 1	Cite No. 1 Number Kind Code ² (if known) Name of Patentee or Applicant of Cited Document MM-DD-YYYY					

Attorney Docket Number

				FC	REIGN PATENT DOCUMEN	TS	·	
Examiner Initials*	Cite No.1	Fore Office ³	eign Patent Doo	cument Kind Code ⁵	Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T [®]
CK	A2	TW	105221			11/11/1988		
								\perp

NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.				
		RECEIVED				
		250 1-6-2003				
<u>.</u>		Technology Center 2600				
		1echnology Center 2000				
			-			
			+-			

Examiner Signature	Chiali llang	Date Considered	4/13/06

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, PO Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450. Alexandria, Virginia 22313-1450.

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

MODIFIED PTO/SB/08 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control

diliber.		V. 73				
	Substitute fo	r 10mm [449B	1 010		Complete if Known	
	INFORMATION	ON DISCLO	SURE	Application Number	10/026,430	
	STATEMEN'	T BY APPLI	CANT	Filing Date	12/27/2001	
Date Submitted: April 28, 2004				First Named Inventor	Iwao MATSUSHIMA	
	Date Submit	led: April 20	, 2004	Group Art Unit	2632	
	(use as many s	heets as ne	cessary)	Examiner Name	Unknown	
Sheet	1	of	1	Attorney Docket Number	017344-0321	

U.S. PATENT DOCUMENTS									
Examiner Cite No.1		U.S. Patent Document			Date of Publication of	Pages, Columns, Lines, Where Relevant			
		Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear			
						- 			
				· · · · · · · · · · · · · · · · · · ·					
	+		- 						

				FC	REIGN PATENT DOCUMEN	TS		
Examiner Initials*	Cite No.1	Fore Office ³		nent d Code ⁵ known)	Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	₹ ⁶
CK	<u>A1</u>	JP	11-143527			05/28/1999		ABS
	<u>-</u>							

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	т ^в		
		RECEIVED			
		RECEIVED APR 2 9 2004 Technology Center 2600)		
•					

Examiner Signature	Charli Kom	Date Considered	4/13/06

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, PO Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.

¹ Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control

number. •							
	Substitute fo	or form 14498	/PTO		Complete if Known	DIPA	
	INFORMATI	ON DISCLO	SURE	Application Number	10/026,430	6/	
	STATEMEN	T BY APPLI	CANT	Filing Date	12/27/2001	- 3	:7
	Date Submit	tod: May 10	2005	First Named Inventor	Iwao MATSUSHIMA	MAY 1 0 2005	-
	Date Submit	ieu. May 10	, 2003	Group Art Unit	2662	- 4000 K	<u>.</u>
_	(use as many s	heets as ne	cessary)	Examiner Name	Unknown	v. 😴	7
Sheet	1	of	1	Attorney Docket Number	017344-0321	7940EMARK	

U.S. PATENT DOCUMENTS								
Examiner Cite No.1	U.S. Patent Document		Document		Date of Publication of	Pages, Columns, Lines, Where Relevant		
		Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear		

					FC	REIGN PATENT DOCUMEN	TS		
Examiner Initials*	Cite No.1	Foreign Patent Document				Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant	
		Office ³	Number ⁴	(if know		Applicant of Cited Documents	MM-DD-YYYY	Figures Appear	T ⁶
CK	A1	JP	62-552	82			03/10/1987		ABS
								····	<u> </u>
			i				į.		

NON PATENT LITERATURE DOCUMENTS								
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.						

Examiner Signature	Charli Keny	Date Considered	4/13/06

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.